Energy Research and Development Division FINAL PROJECT REPORT

PLUMAS ENERGY EFFICIENCY AND RENEWABLES MANAGEMENT ACTION PLAN (PEER MAP)

Appendix E: Site Specific Engineering and Architectural Plan for Eastern Plumas Health Care

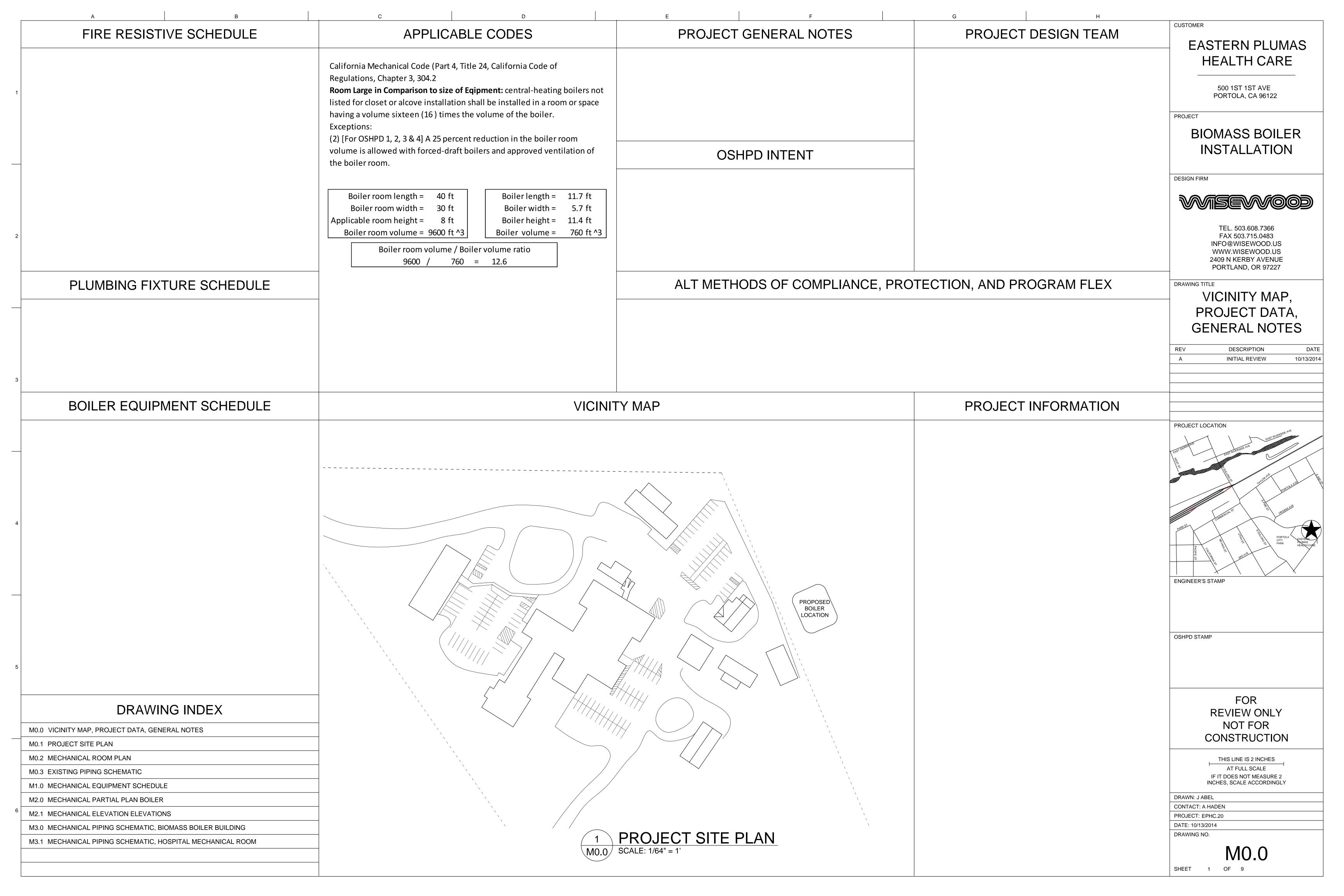
Prepared for: California Energy Commission

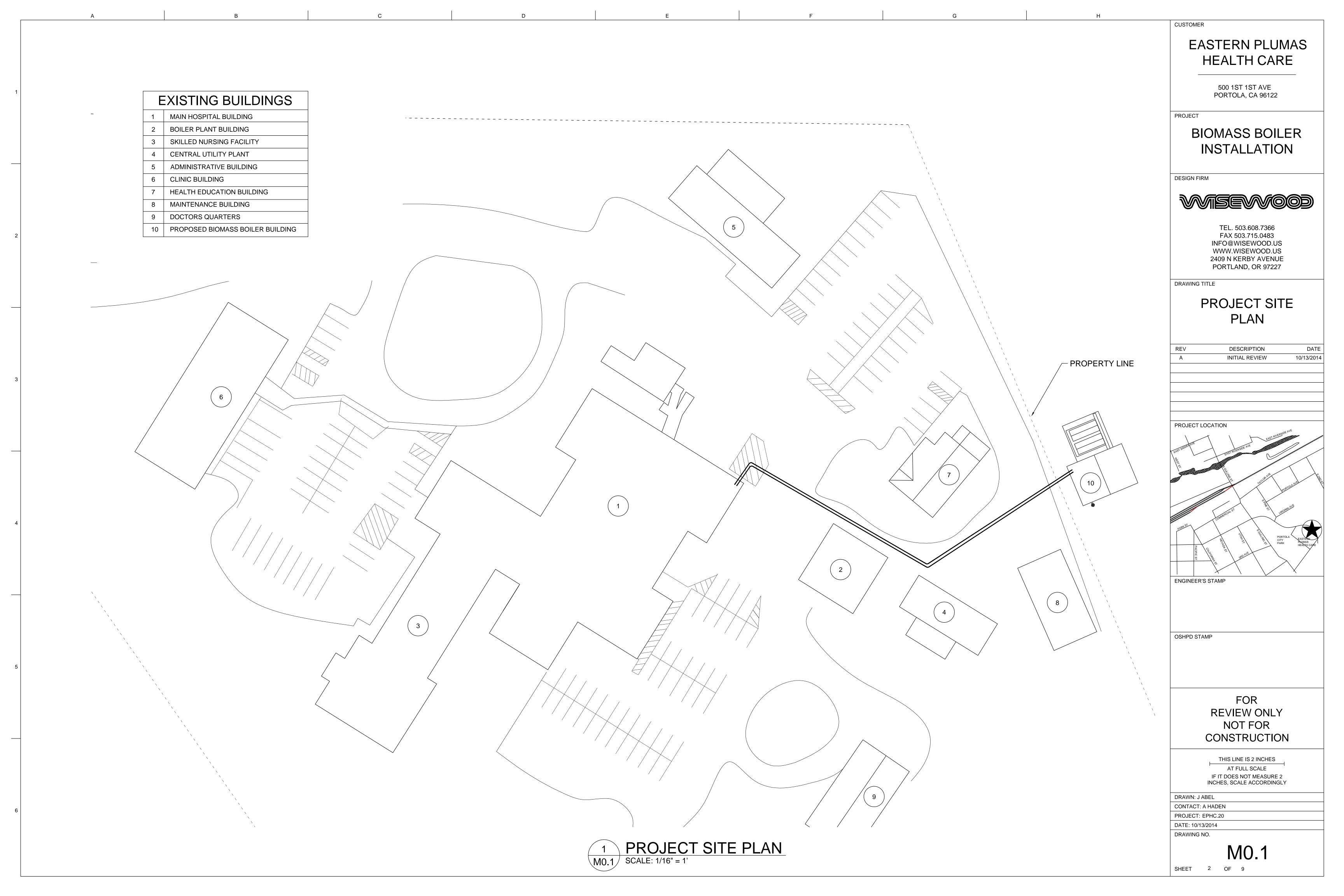
Prepared by: Sierra Institute for Community and Environment

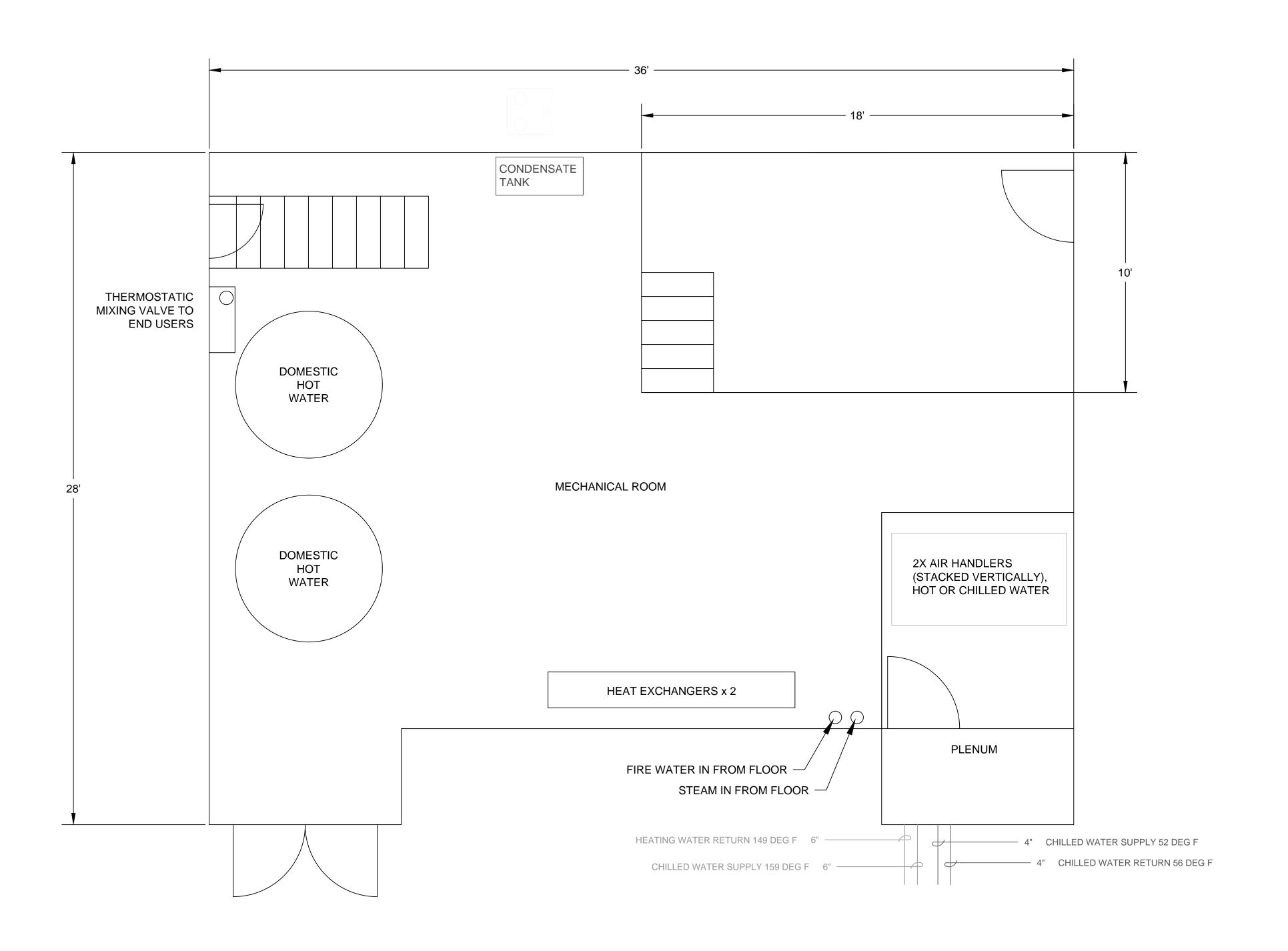




NOVEMBER 2016 CEC-500-2016-067-APE







1 MECHANICAL ROOM PLAN
M0.1 SCALE: 3/8" = 1'

CUSTOMER

EASTERN PLUMAS HEALTH CARE

500 1ST 1ST AVE PORTOLA, CA 96122

PROJECT

BIOMASS BOILER INSTALLATION

DESIGN FIRM



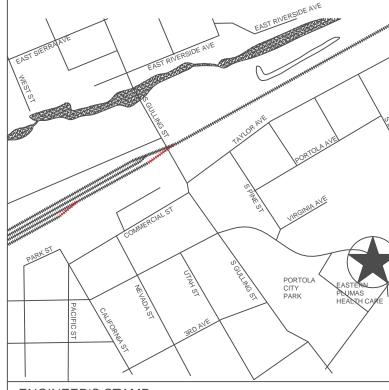
TEL. 503.608.7366 FAX 503.715.0483 INFO@WISEWOOD.US WWW.WISEWOOD.US 2409 N KERBY AVENUE PORTLAND, OR 97227

DRAWING TITLE

MECHANICAL ROOM PLAN

REV	DESCRIPTION	DATE
Α	INITIAL REVIEW	10/13/2014

PROJECT LOCATION



ENGINEER'S STAMP

OSHPD STAMP

FOR
REVIEW ONLY
NOT FOR
CONSTRUCTION

THIS LINE IS 2 INCHES

AT FULL SCALE

IF IT DOES NOT MEASURE 2
INCHES, SCALE ACCORDINGLY

DRAWN: J ABEL

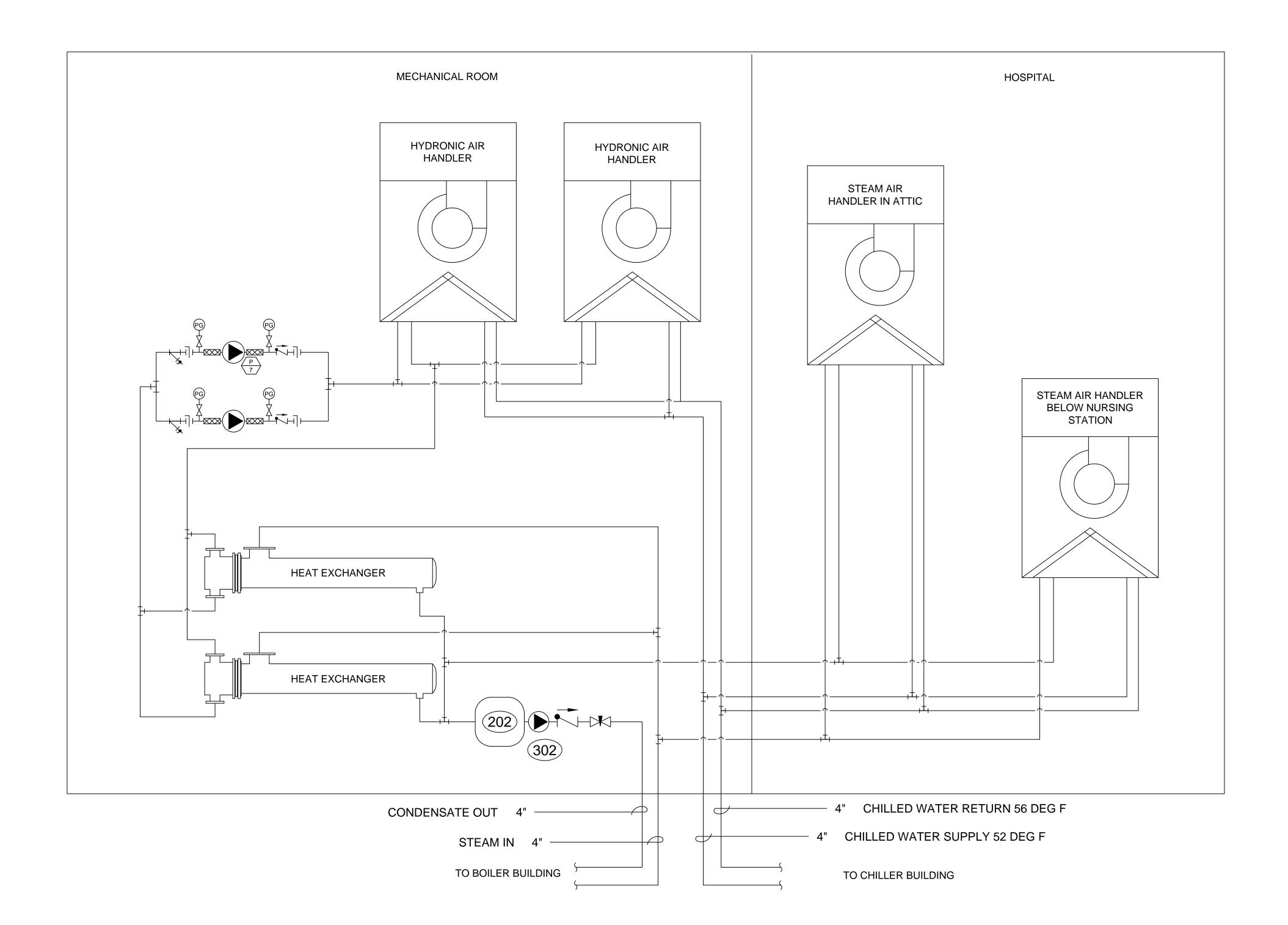
CONTACT: A HADEN

PROJECT: EPHC.20

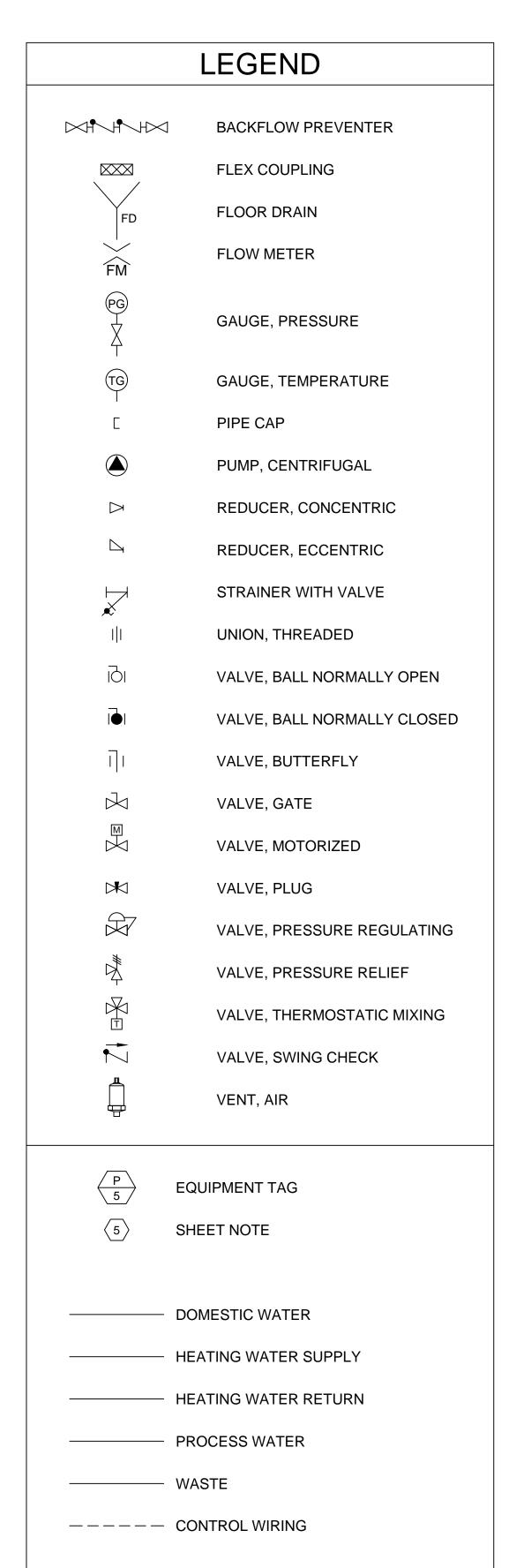
DATE: 10/13/2014

DRAWING NO.

M0.2







CUSTOM

EASTERN PLUMAS HEALTH CARE

500 1ST 1ST AVE PORTOLA, CA 96122

PRO

BIOMASS BOILER INSTALLATION

DESIGN FIRM

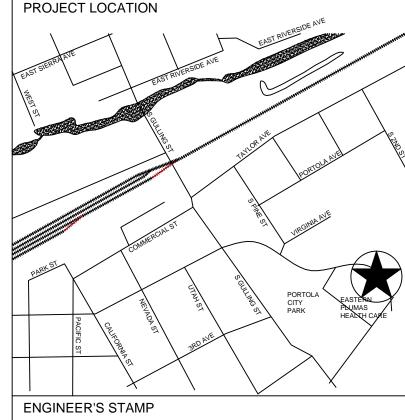


TEL. 503.608.7366 FAX 503.715.0483 INFO@WISEWOOD.US WWW.WISEWOOD.US 2409 N KERBY AVENUE PORTLAND, OR 97227

DRAWING TITLE

EXISTING EQUIPMENT SCHEMATIC

REV	DESCRIPTION	DATE
А	INITIAL REVIEW	10/13/2014
PROJECT LO	CATION	



OSHPD STAMP

FOR
REVIEW ONLY
NOT FOR
CONSTRUCTION

THIS LINE IS 2 INCHES

AT FULL SCALE

IF IT DOES NOT MEASURE 2
INCHES, SCALE ACCORDINGLY

DRAWN: J ABEL

CONTACT: A HADEN

PROJECT: EPHC.20

DATE: 10/13/2014

DRAWING NO.

D-1	B-1 BOILER			AH-1,2 AIR HANDLERS			AS-1	AIR SEPARATOR		CF-1	1 CHEMICAL FEED			
	QUANTITY	2			QUANTITY	2			QUANTITY	1		QUANTITY	1	
	SERVICE	HYDRONIC			SERVICE	HYDRONIC, CHI	ILLED		SERVICE	HEATING WATER		SERVICE	HEATING WATER	R
	TYPE	BIOMASS			TYPE	FORCED AIR			CONFIGURATION	VERTICAL		CONFIGURATION		
M	MANUFACTURER				MANUFACTURER				MATERIAL	STEEL		MATERIAL		
UNIT DATA	MODEL			UNIT DATA	MODEL				MANUFACTURER	0.122		MANUFACTURER		
	CONNECTION				CONNECTION				MODEL			MODEL		
	WEIGHT		[LB] 1)		WEIGHT		[LB]	UNIT DATA	CONNECTION		UNIT DATA	CONNECTION		
	RATING		[PSIG]		RATING		[PSIG]		WEIGHT	[LB]		WEIGHT		[LB]
HEATING WATER			[BTU/HR]	HEATING			[BTU/HR]							[GPM]
	CAPACITY	40	 		CAPACITY				RATING	150 [GPM]		RATING		ļ
	PROPYLENE GLYCOL	10	[%]		PROPYLENE GLYCOL	10	0 [%]		CAPACITY	20 [GAL]		CAPACITY	10	[GAL]
	INLET TEMPERATURE		[°F]	WATER	INLET TEMPERATURE		[°F]		PROPYLENE GLYCOL	10 [%]		PROPYLENE GLYCOL		[%]
COIL	EXIT TEMPERATURE		[°F]	COIL	EXIT TEMPERATURE		[°F]		MAX TEMPERATURE	200 [°F]		MAX TEMPERATURE	200	[°F]
	FLOW		[GPM]		FLOW		[GPM]							
	PRESSURE DROP		[PSI]		PRESSURE DROP		[PSI]							
	CAPACITY		[BTU/HR]		CAPACITY		[BTU/HR]	TK-1	BUFF	FER TANK	ET-1	FYPANG	SION TANK	
	PROPYLENE GLYCOL	10	[%]		PROPYLENE GLYCOL	10	0 [%]	111	D 011	ZIX IANIX	— 1 = 1		JON TAIN	
CHILLED WATER	INLET TEMPERATURE		[°F]	CHILLED WATER	INLET TEMPERATURE		[°F]		QUANTITY	1		QUANTITY	1	
COIL	EXIT TEMPERATURE		[°F]	COIL	EXIT TEMPERATURE		[°F]		SERVICE	HEATING WATER		SERVICE	HEATING WATER	R
	FLOW		[GPM]		FLOW		[GPM]		CONFIGURATION	VERTICAL		CONFIGURATION	VERTICAL	
	PRESSURE DROP		[PSI]		PRESSURE DROP		[PSI]		MATERIAL	STEEL		MATERIAL	STEEL	
	INLET TEMPERATURE		[°F]		INLET TEMPERATURE		[°F]		MANUFACTURER			MANUFACTURER		
	EXIT TEMPERATURE		[°F]		EXIT TEMPERATURE		[°F]		MODEL			MODEL		
AIR SIDE	FLOW		[CFM]	AIR SIDE	FLOW		[CFM]	UNIT DATA	CONNECTION		UNIT DATA	CONNECTION		
	PRESSURE DROP		[IN WC]		PRESSURE DROP		[IN WC]		WEIGHT	[LB]		WEIGHT		[LB]
	POWER		[HP]		POWER		[HP]		RATING	150 [PSIG]		RATING	150	[PSIG]
	SPEED		[RPM]		SPEED		[RPM]		CAPACITY	20 [GAL]		CAPACITY		[GAL]
мотор				MOTOR										
MOTOR	VOLTAGE/PHASE		[V/-]	MOTOR	VOLTAGE/PHASE		[V/-]		PROPYLENE GLYCOL	10 [%]		PROPYLENE GLYCOL		[%]
	MCA		[A]		MCA		[A]		MAX TEMPERATURE	200 [°F]		MAX TEMPERATURE	200	[°F]
	MOCU		[A]		MOCU		[A]							
D 4.0				D 0 4				5.50	_		1117/ 4 0			_
P-1,2		JMPS		P-3,4		UMPS		P-5,6		PUMPS	HX-1,2	HEAT EX	CHANGERS	S
	QUANTITY	2			QUANTITY	2			QUANTITY	2		QUANTITY	2	
														E A M
	SERVICE	BOILER FEED			SERVICE	PRIMARY LOOP	•		SERVICE	NEW AIR HANDLERS		SERVICE	SATURATED STI	
	SERVICE TYPE	BOILER FEED CENTRIFUGAL			TYPE	PRIMARY LOOP CENTRIFUGAL	•			NEW AIR HANDLERS CENTRIFUGAL		SERVICE TYPE	SATURATED STI	LAW
							D		SERVICE				SATURATED STI	LAIVI
	TYPE	CENTRIFUGAL			ТҮРЕ	CENTRIFUGAL			SERVICE TYPE	CENTRIFUGAL		TYPE CONFIGURATION MANUFACTURER		EAW
	TYPE CONFIGURATION	CENTRIFUGAL			TYPE CONFIGURATION	CENTRIFUGAL			SERVICE TYPE CONFIGURATION	CENTRIFUGAL	UNIT DATA	TYPE CONFIGURATION MANUFACTURER		EAW
UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL	CENTRIFUGAL		UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL	CENTRIFUGAL		UNIT DATA	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL	CENTRIFUGAL	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL		EAW
UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION	CENTRIFUGAL	[GPM]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION	CENTRIFUGAL		UNIT DATA	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION	CENTRIFUGAL DUPLEX	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION		
UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW	CENTRIFUGAL	[GPM]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW	CENTRIFUGAL DUPLEX	[GPM]	UNIT DATA	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW	CENTRIFUGAL DUPLEX [GPM]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY		[BTU/HR]
UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD	CENTRIFUGAL	[FT]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD	CENTRIFUGAL DUPLEX	[GPM]	UNIT DATA	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD	CENTRIFUGAL DUPLEX [GPM] [FT]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT		[BTU/HR]
UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE	CENTRIFUGAL	[FT]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F]	UNIT DATA	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE	CENTRIFUGAL DUPLEX [GPM] [FT] [°F]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING		[BTU/HR] [LB] [PSIG]
UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL	CENTRIFUGAL	[FT] [°F] [%]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%]	UNIT DATA	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL	CENTRIFUGAL DUPLEX [GPM] [FT] [°F] [%]		TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW		[BTU/HR] [LB] [PSIG] [LB/HR]
UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT	CENTRIFUGAL	[FT] [°F] [%] [LB]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB]	UNIT DATA	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT	CENTRIFUGAL DUPLEX	STEAM	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE		[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG]
UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING	CENTRIFUGAL	[FT] [°F] [%] [LB] [PSIG]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG]		SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING	CENTRIFUGAL DUPLEX		TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE		[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F]
UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER	CENTRIFUGAL	[FT] [°F] [%] [LB] [PSIG] [HP]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG] [HP]		SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER	CENTRIFUGAL DUPLEX	STEAM	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE PRESSURE DROP		[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F] [PSI]
	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED	CENTRIFUGAL	[FT] [°F] [%] [LB] [PSIG] [HP] [RPM]		TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG] [HP] [RPM]	2)	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED	CENTRIFUGAL DUPLEX	STEAM	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE PRESSURE DROP FLOW	HORIZONTAL	[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F] [PSI] [PSI]
UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE	CENTRIFUGAL	[FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-]	UNIT DATA	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-]	2) MOTOR	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE	CENTRIFUGAL DUPLEX	STEAM	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE PRESSURE DROP FLOW PROPYLENE GLYCOL	HORIZONTAL	[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F] [PSI] [GPM]
	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL	[FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]		TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]	2) MOTOR	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	STEAM	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE PRESSURE DROP FLOW PROPYLENE GLYCOL PRESSURE DROP	HORIZONTAL	[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F] [PSI] [GPM] [%]
	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE	CENTRIFUGAL	[FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-]		TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-]	2) MOTOR	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE	CENTRIFUGAL DUPLEX	STEAM SIDE WATER	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE PRESSURE DROP FLOW PROPYLENE GLYCOL	HORIZONTAL	[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F] [PSI] [GPM] [%] [PSI]
	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL	[FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]		TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]	2) MOTOR	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	STEAM SIDE WATER	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE PRESSURE DROP FLOW PROPYLENE GLYCOL PRESSURE DROP	HORIZONTAL	[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F] [PSI] [GPM] [%]
MOTOR	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL	[FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]		TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]	2) MOTOR	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	STEAM SIDE WATER	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE PRESSURE DROP FLOW PROPYLENE GLYCOL PRESSURE DROP INLET TEMPERATURE	HORIZONTAL	[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F] [PSI] [GPM] [%] [PSI]
MOTOR	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA MOCU	CENTRIFUGAL	[FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]		TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]	2) MOTOR	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	STEAM SIDE WATER	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE PRESSURE DROP FLOW PROPYLENE GLYCOL PRESSURE DROP INLET TEMPERATURE	HORIZONTAL	[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F] [PSI] [GPM] [%] [PSI]
MOTOR	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL	[FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]		TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]	2) MOTOR	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	STEAM SIDE WATER	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE PRESSURE DROP FLOW PROPYLENE GLYCOL PRESSURE DROP INLET TEMPERATURE	HORIZONTAL	[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F] [PSI] [GPM] [%] [PSI]
MOTOR NOTES:	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA MOCU	CENTRIFUGAL DUPLEX	[FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]		TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]	2) MOTOR	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	STEAM SIDE WATER	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE PRESSURE DROP FLOW PROPYLENE GLYCOL PRESSURE DROP INLET TEMPERATURE	HORIZONTAL	[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F] [PSI] [GPM] [%] [PSI]
MOTOR NOTES:	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA MOCU WEIGHT INCLUDES PUMP MOTORS EQUIPPE	CENTRIFUGAL DUPLEX	[FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]		TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	[GPM] [FT] [°F] [%] [LB] [PSIG] [HP] [RPM] [V/-] [A]	2) MOTOR	SERVICE TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION FLOW TOTAL DYNAMIC HEAD INLET TEMPERATURE PROPYLENE GLYCOL WEIGHT RATING POWER SPEED VOLTAGE/PHASE MCA	CENTRIFUGAL DUPLEX	STEAM SIDE WATER	TYPE CONFIGURATION MANUFACTURER MODEL CONNECTION CAPACITY WEIGHT RATING FLOW INLET PRESSURE INLET TEMPERATURE PRESSURE DROP FLOW PROPYLENE GLYCOL PRESSURE DROP INLET TEMPERATURE	HORIZONTAL	[BTU/HR] [LB] [PSIG] [LB/HR] [PSIG] [°F] [PSI] [GPM] [%] [PSI]

CUSTOMER

EASTERN PLUMAS HEALTH CARE

500 1ST 1ST AVE PORTOLA, CA 96122

PROJE

BIOMASS BOILER INSTALLATION

DESIGN FIRM



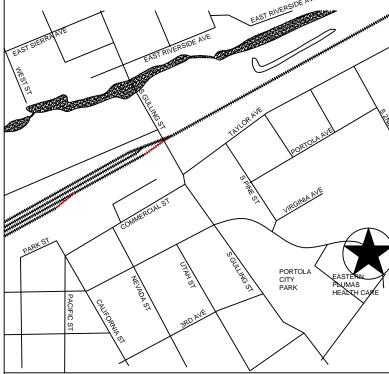
TEL. 503.608.7366 FAX 503.715.0483 INFO@WISEWOOD.US WWW.WISEWOOD.US 2409 N KERBY AVENUE PORTLAND, OR 97227

DRAWING TITLE

MECHANICAL EQUIPMENT SCHEDULE

REV DESCRIPTION DATE
A INITIAL REVIEW 10/13/2014

PROJECT LOCATION



ENGINEER'S STAMP

OSHPD STAMP

FOR REVIEW ONLY NOT FOR CONSTRUCTION

THIS LINE IS 2 INCHES

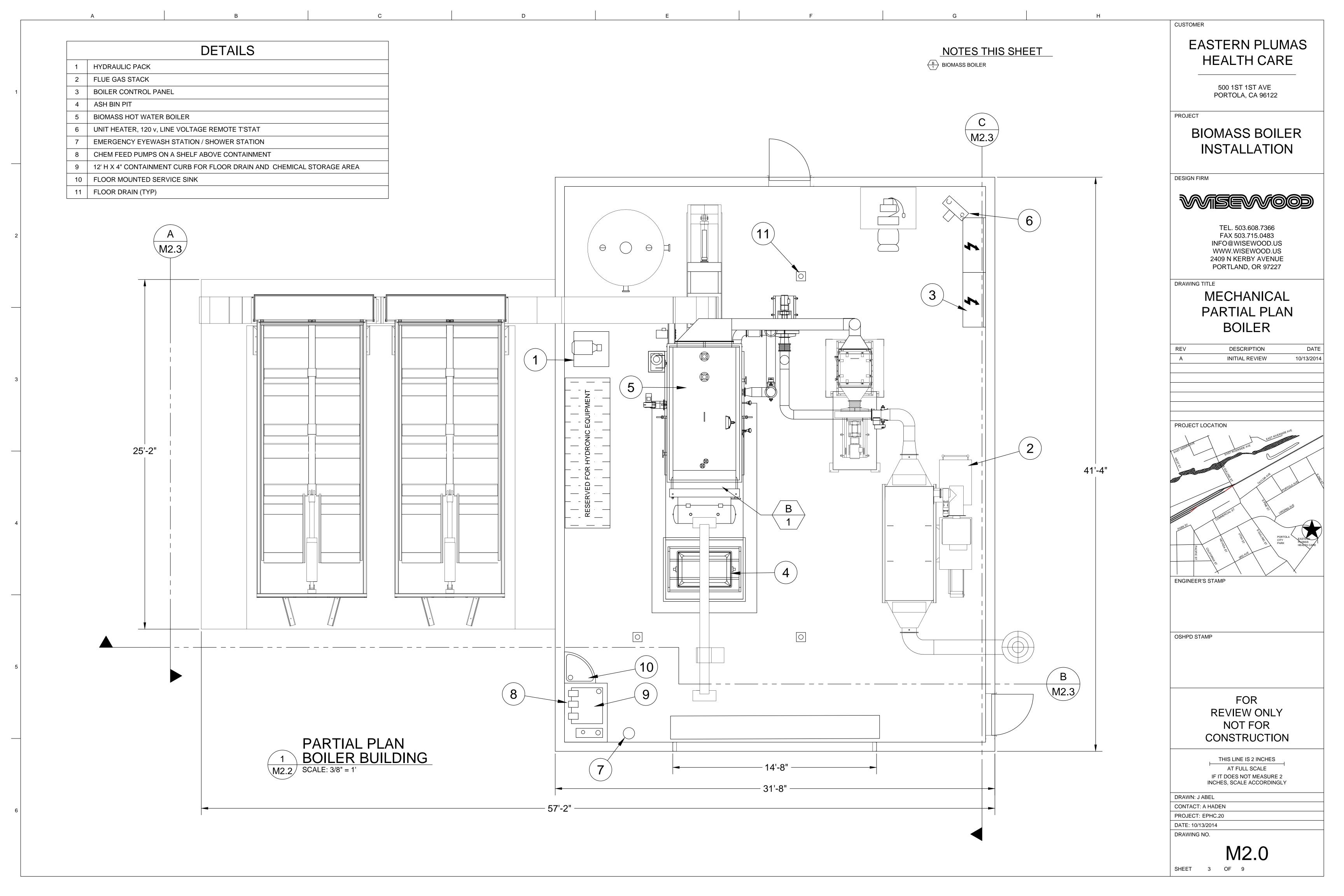
AT FULL SCALE

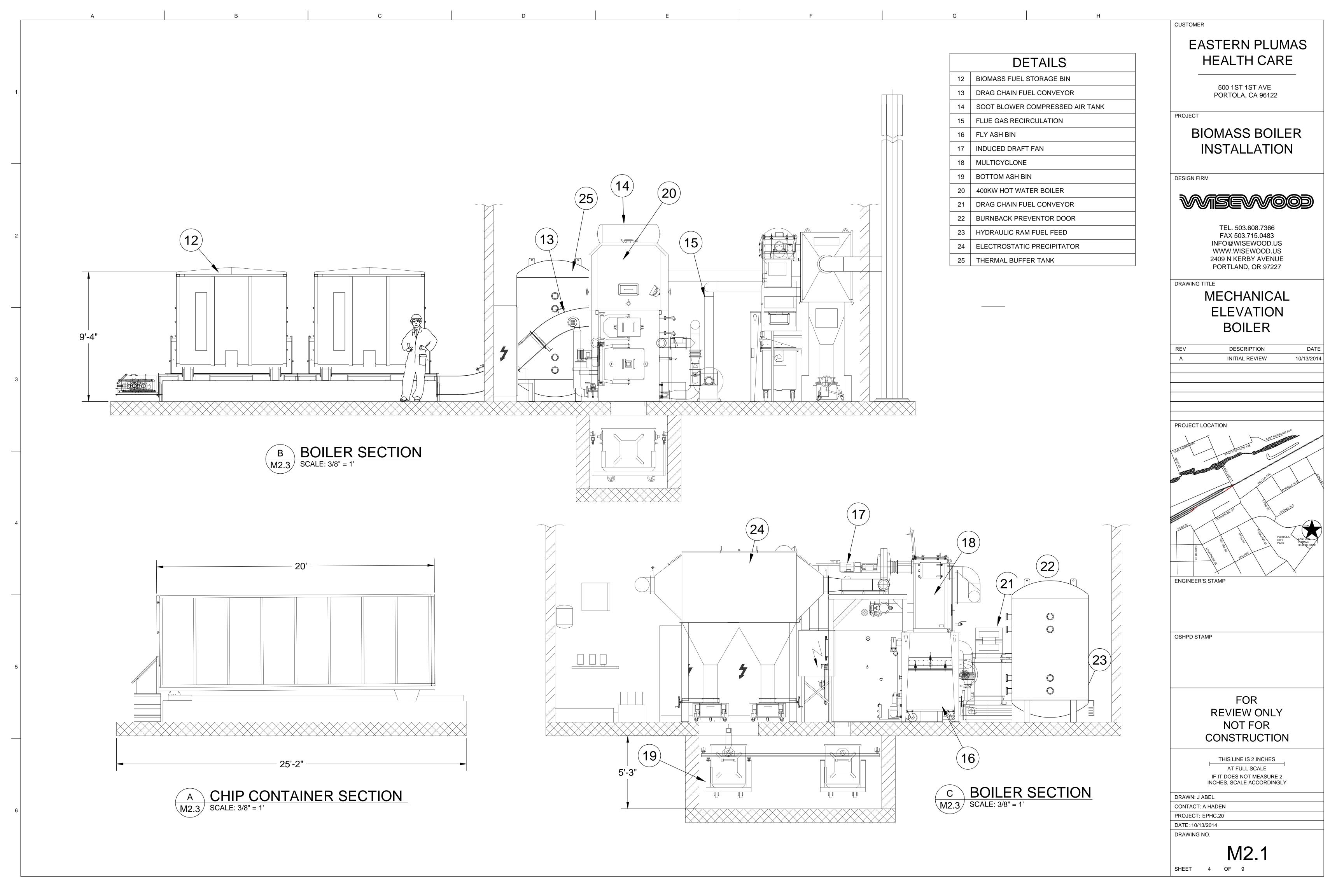
IF IT DOES NOT MEASURE 2
INCHES, SCALE ACCORDINGLY

DRAWN: J ABEL
CONTACT: A HADEN
PROJECT: EPHC.20

DATE: 10/13/2014
DRAWING NO.

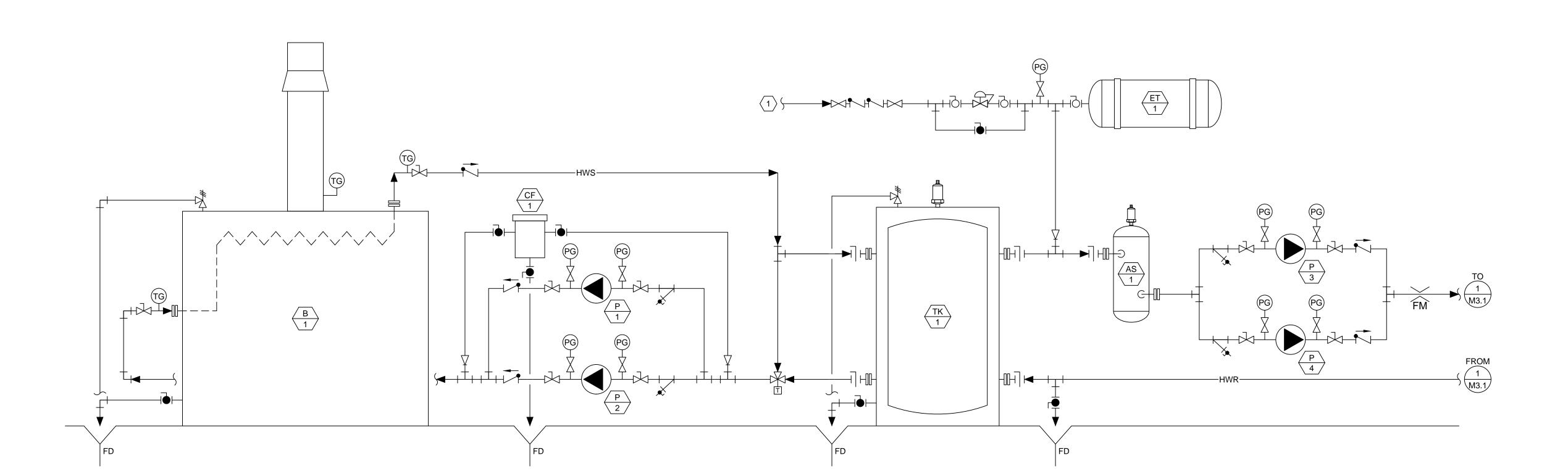
M1.0





NOTES THIS SHEET

1 DOMESTIC WATER FROM SUPPLY FOR BOILER FILL.



MECHANICAL PIPING SCHEMATIC

BIOMASS BOILER BUILDING

SCALE: NONE

EASTERN PLUMAS **HEALTH CARE**

500 1ST 1ST AVE PORTOLA, CA 96122

BIOMASS BOILER INSTALLATION

DESIGN FIRM



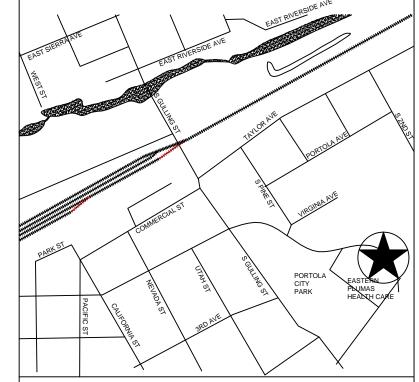
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DRAWING TITLE

EXISTING EQUIPMENT SCHEMATIC

EV	DESCRIPTION	DATE
A	INITIAL REVIEW	10/13/2014

PROJECT LOCATION



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AT FULL SCALE IF IT DOES NOT MEASURE 2 INCHES, SCALE ACCORDINGLY

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